

INTERNATIONAL SEARCH REPORT

International Application No
PCT/BR 02/00159

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G08B13/14 G08B21/04 G08B13/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G08B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 792 796 A (WATERHOUSE PAUL I ET AL) 20 December 1988 (1988-12-20) column 1, line 14 - line 37 column 4, line 11 - column 5, line 16 column 5, line 55 - column 6, line 27 column 7, line 34 - column 8, line 28 column 11, line 1 - column 12, line 30 figures 1-5	1-35
A	EP 0 840 265 A (E LEAD ELECTRONIC CO LTD) 6 May 1998 (1998-05-06) the whole document -- -/--	1-3,5-35

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

22 July 2003

Date of mailing of the international search report

28/07/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 661 460 A (SALLEN ROY ET AL) 26 August 1997 (1997-08-26) column 1, line 43 -column 2, line 23 column 3, line 10 -column 4, line 59 column 5, line 18 -column 11, line 25 figures 1-7 ---	1-35
A -	US 4 134 108 A (MILLER FAY H ET AL) 9 January 1979 (1979-01-09) the whole document ---	1-29
A	US 5 402 104 A (LAROSA LAZARO) 28 March 1995 (1995-03-28) the whole document -----	1-29

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PCT/BR 02/00159

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4792796	A	20-12-1988	CA EP	1257657 A1 0268349 A2
				18-07-1989 25-05-1988
EP 0840265	A	06-05-1998	US EP	5774054 A 0840265 A1
				30-06-1998 06-05-1998
US 5661460	A	26-08-1997	US EP JP WO	5589821 A 0800653 A1 10511455 T 9618913 A1
				31-12-1996 15-10-1997 04-11-1998 20-06-1996
US 4134108	A	09-01-1979	NONE	
US 5402104	A	28-03-1995	NONE	